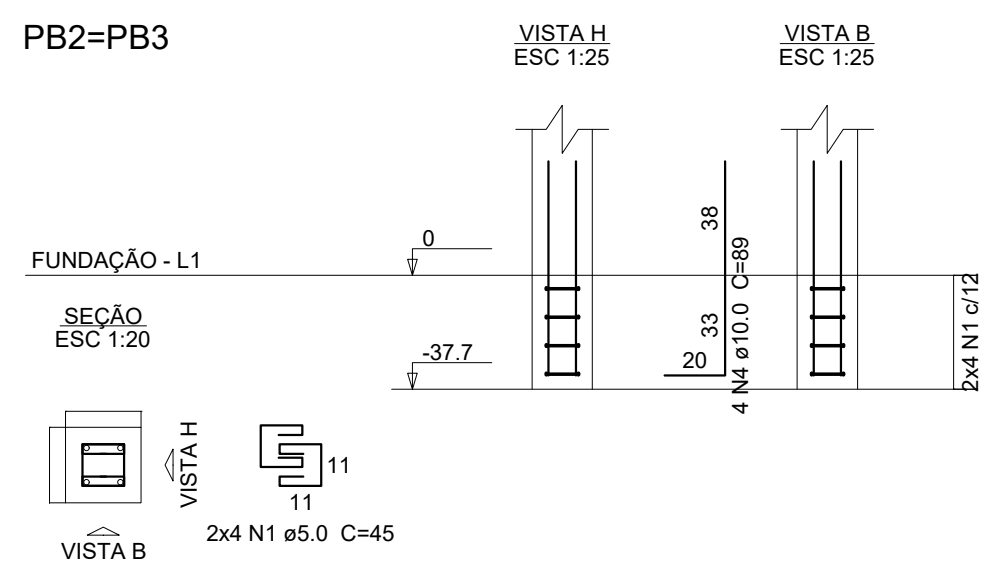
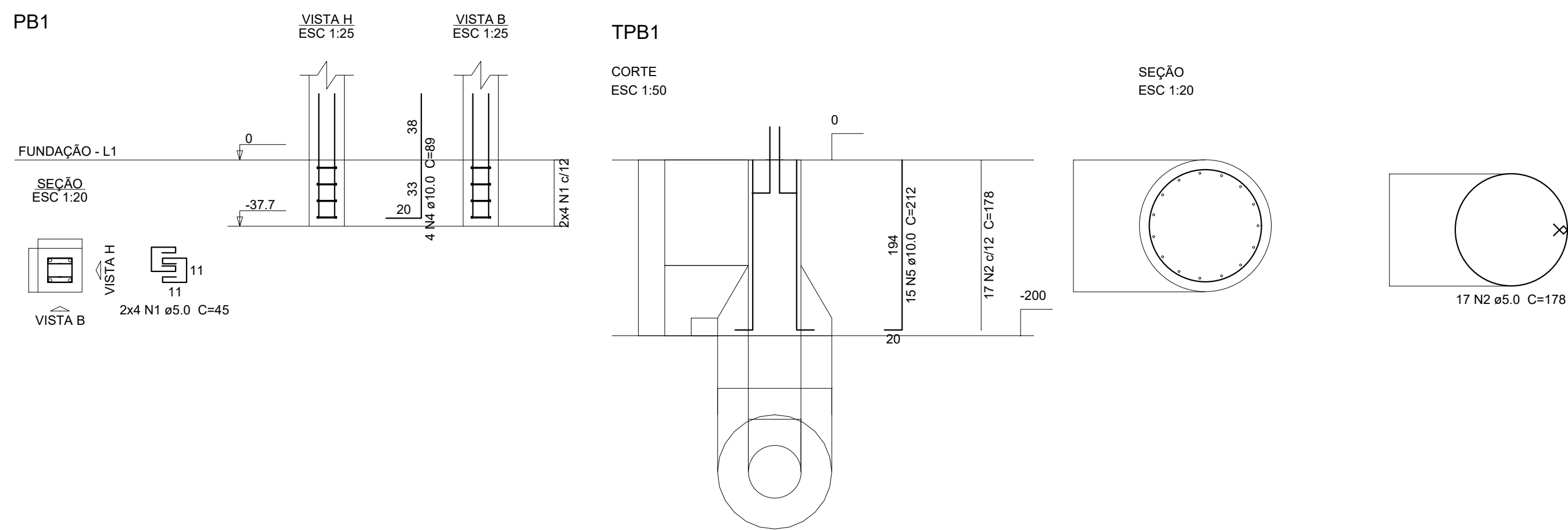
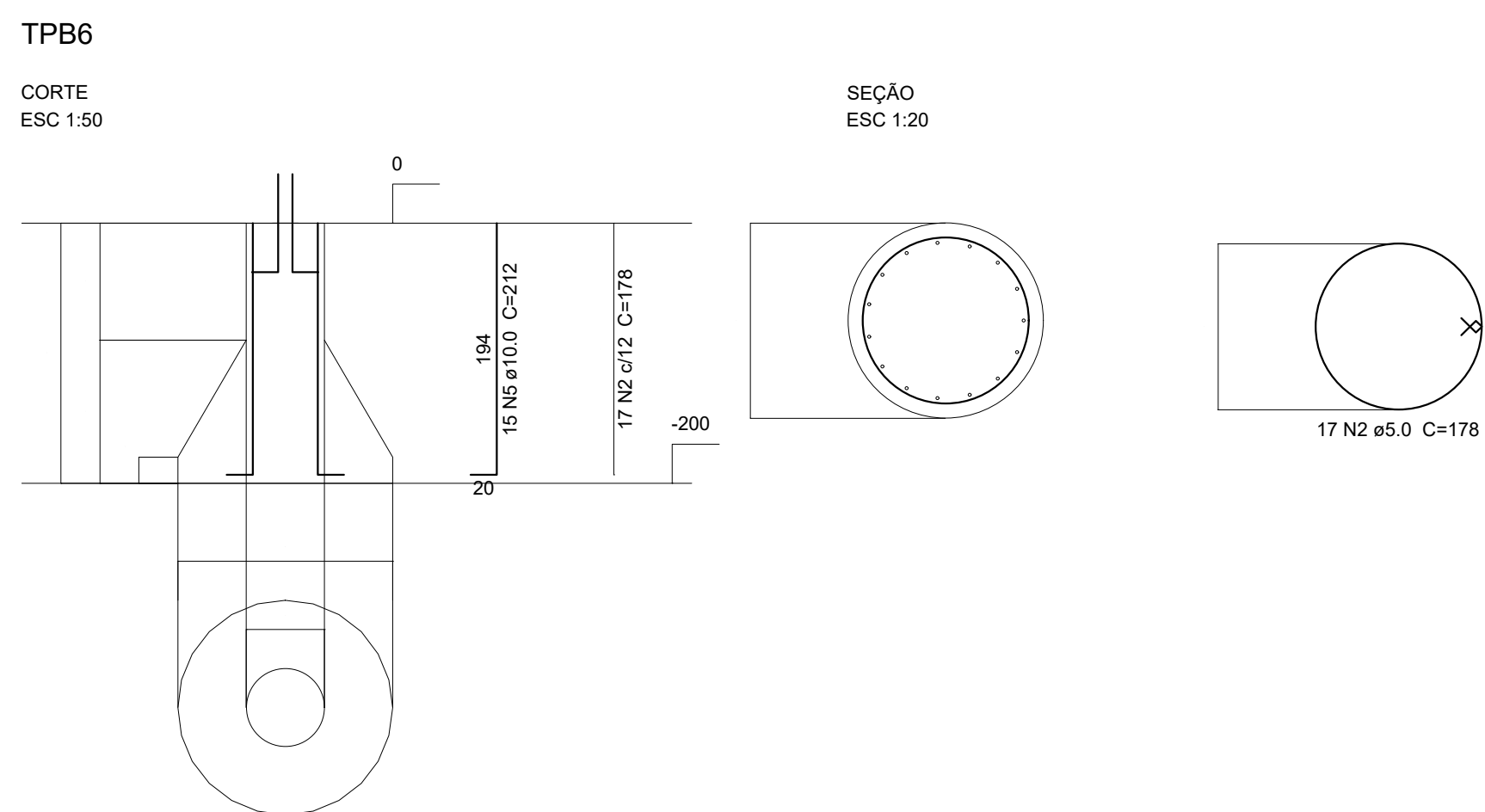
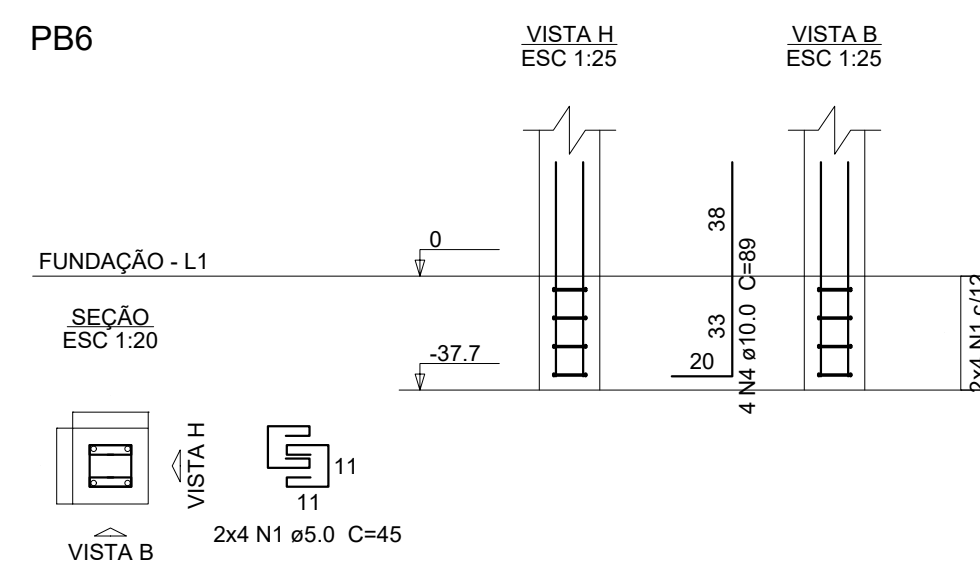
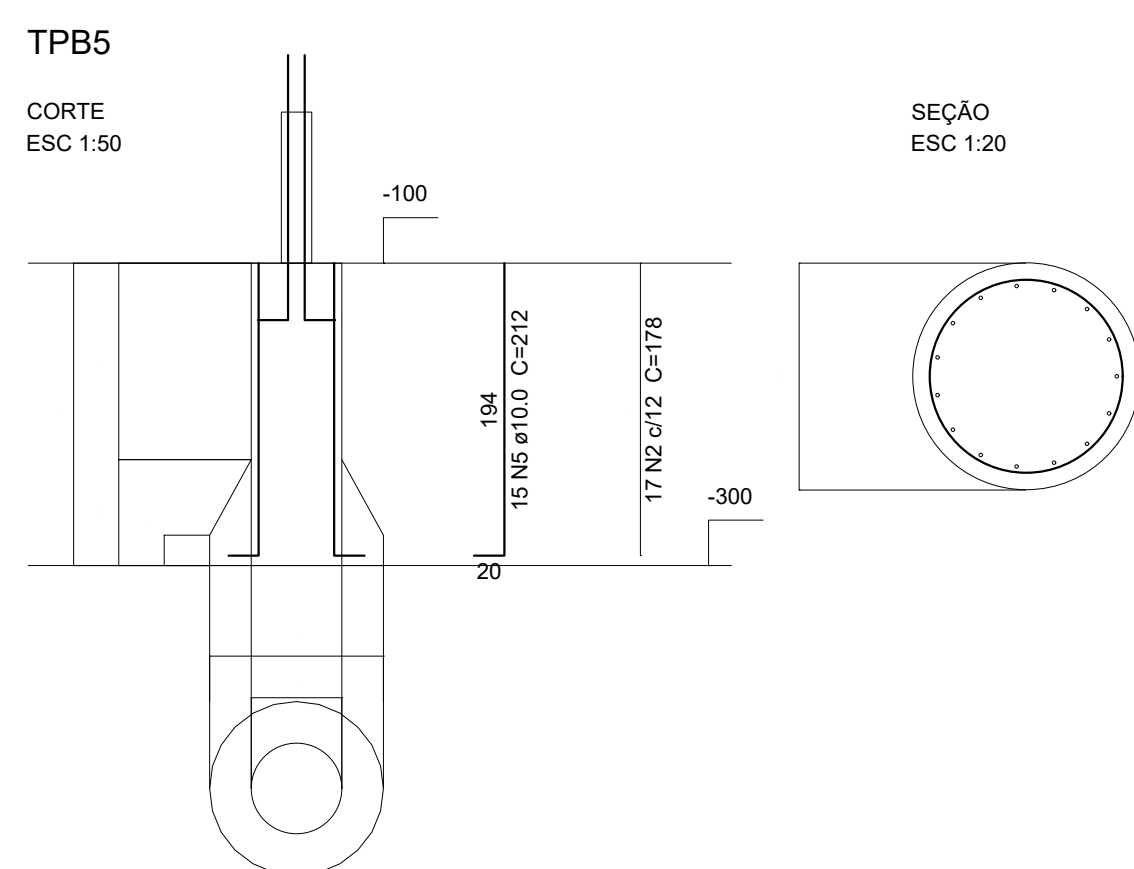
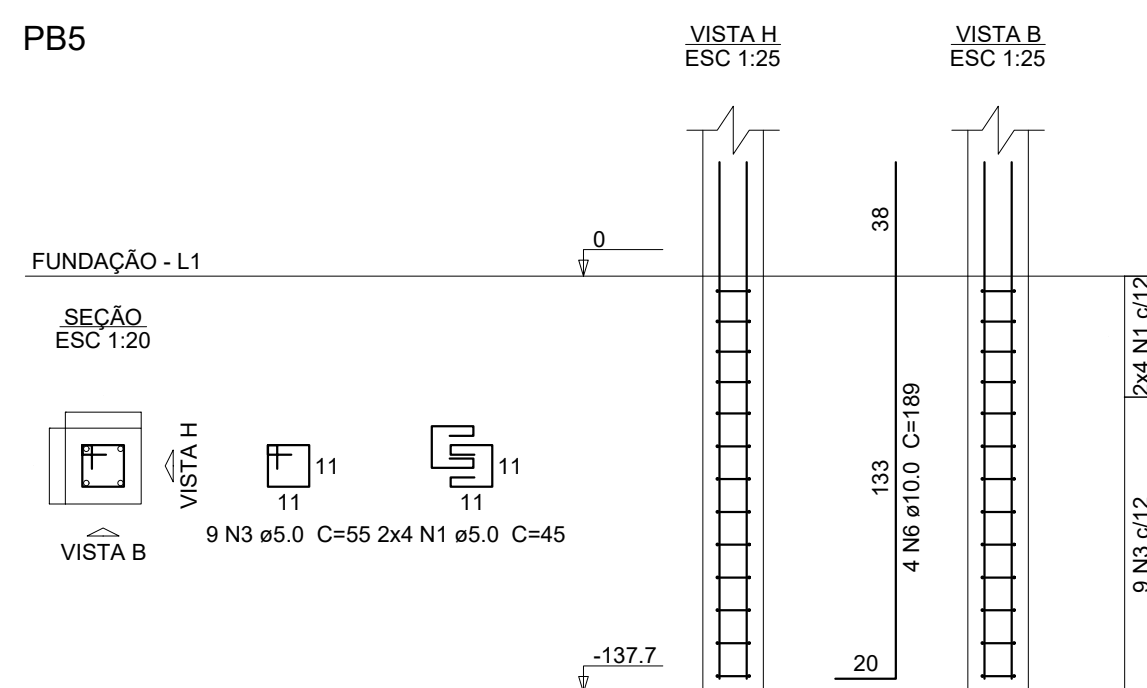
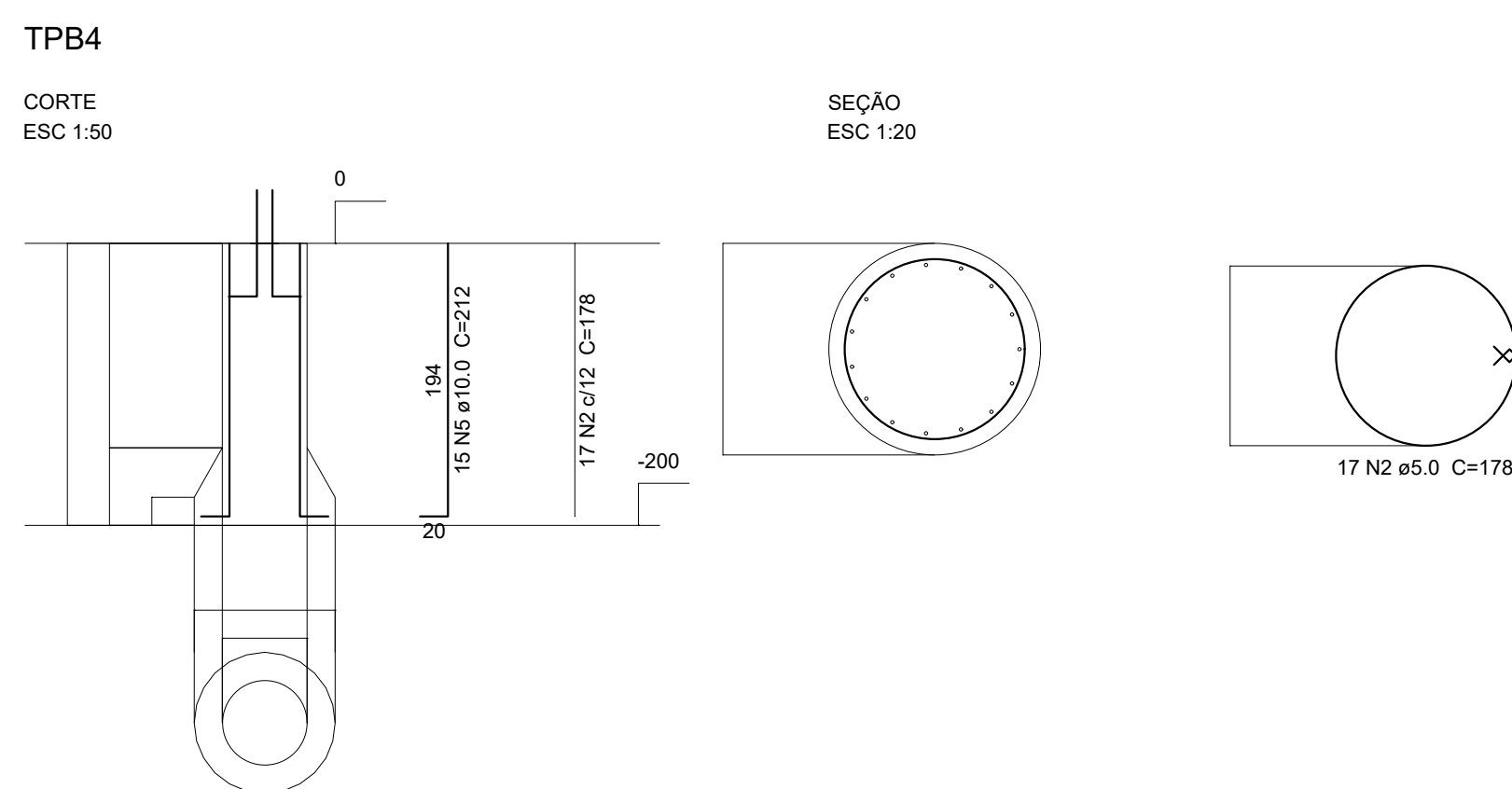
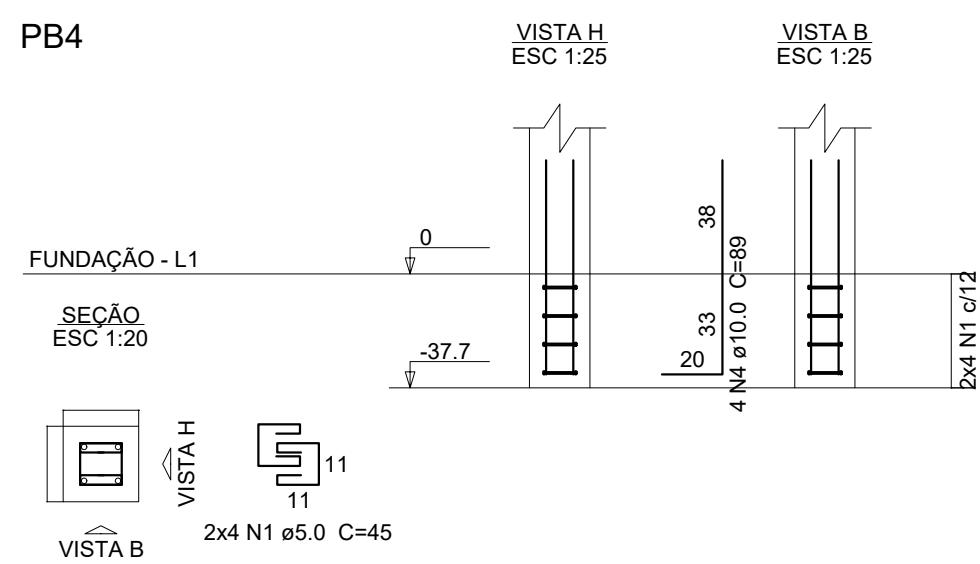
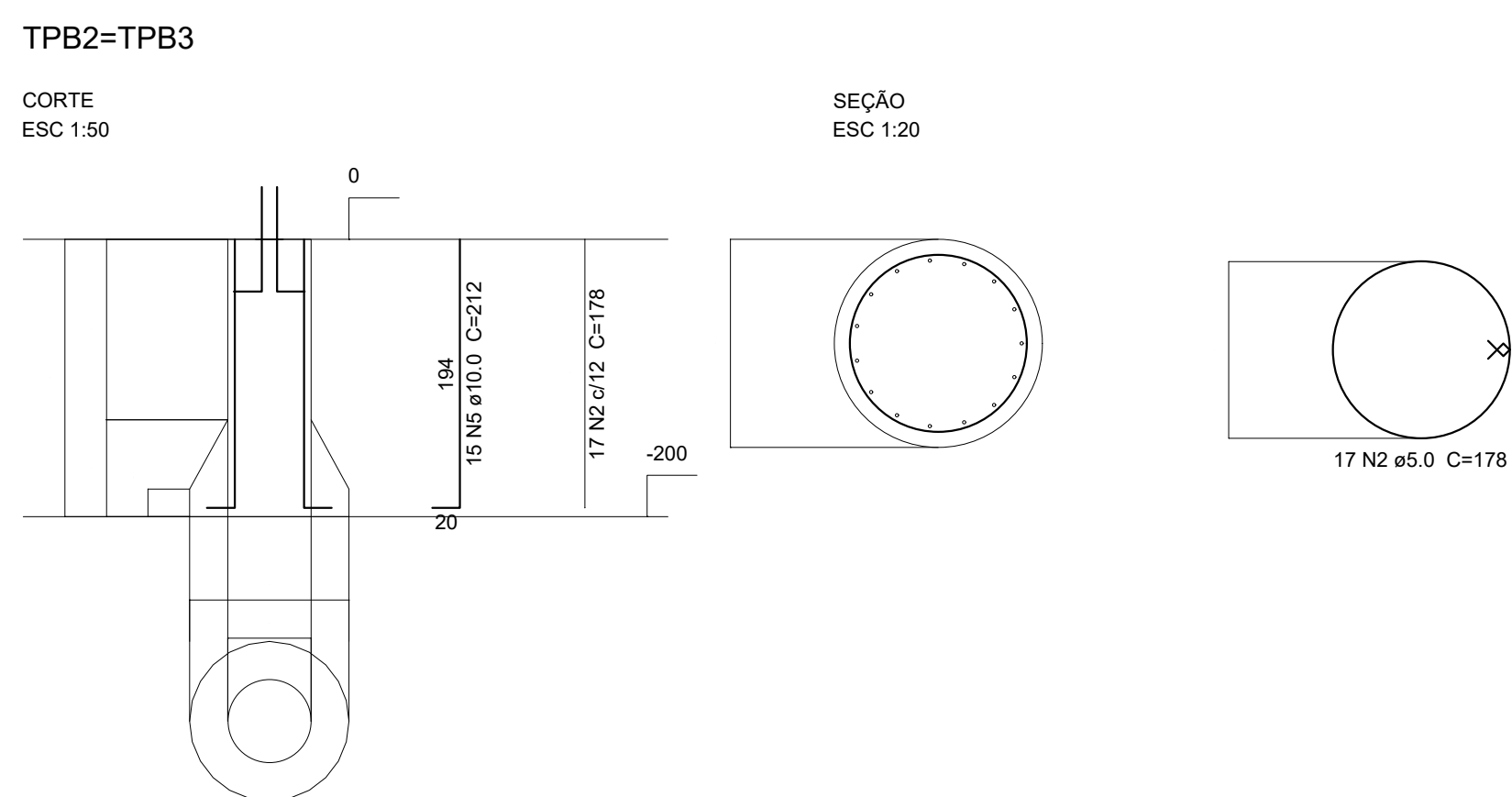




Relação do aço					
PB1	2xPB2		PB4		
PB5	PB6		TPB1		
2xTPB3	TPB4		TPB5		
TPB6					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	48	45	2160
	2	5.0	102	178	18156
	3	5.0	9	55	495
CA50	4	10.0	20	89	1780
	5	10.0	90	212	19080
	6	10.0	4	189	756

Resumo do aço					
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	UNIT	PESO + 10 % (kg)
CA50	10,0	216,2	20	12 m	146,6
CA60	5,0	208,2	-	rolo (170 kg)	35,3
PESO TOTAL (kg)					
CA50	146,6				
CA60	35,3				

Volume de concreto (C-25) = 6.37 m³
Área de forma = 0.8 m²



Reservado à Prefeitura		
Endereço: Povoador de Campestre, ponte do Ari, Município De Crucilândia MG,		Zoneamento: Rural Área: —
Responsável Técnico: _____ Huldys Estácio De Oliveira Engenheiro Civil Crea—MG: 249.249/D		
E—mail: heoliveira.engenheirocivil@gmail.com		Telefone: (31)9.9875.2880
Proprietário: _____ Município De Crucilândia—MG		
CPF: 18.313.007/0001—29 Endereço: Avenida Ernesto Antunes Da Cunha, nº67, Bairro Centro, Crucilândia—MG		Telefone: (31)3157—5019
Detalhe: Fundação — Tubulões		
Título: Projeto Estrutural		Data: 28/05/2026 Folha: 2/3
Observações:		Art: MG20264776693